

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1.-19. (canceled)

20. (currently amended) A medical method [[as in claim 19,]] for treating a patient, comprising:

detecting heart rate as an indicator of inadequate tissue perfusion;

detecting at least one other indicia of inadequate tissue perfusion;

delivering a stimulus to increase tissue perfusion as a function of both heart rate and the at least one other indicia; and

providing a therapeutic device for delivering the stimulus to increase tissue perfusion;

wherein the step of delivering the stimulus comprises delivering a stimulus to increase heart rate.

21. (original) A medical method as in claim 20, wherein the step of providing a therapeutic device comprises providing a pacemaker, and wherein the step of delivering the stimulus to increase heart rate comprises delivering electrical impulses to the patient's heart.

22. (withdrawn) A medical method as in claim 20, wherein the step of providing a therapeutic device comprises providing an infusion pump, and wherein the step of delivering the stimulus to increase heart rate comprises delivering a bolus of a drug.

23. (original) A medical method as in claim 20, wherein the step of detecting at least one other indicia of inadequate tissue perfusion comprises detecting blood pressure.

24. (original) A medical method as in claim 23, wherein the step of detecting blood pressure comprises detecting vascular blood pressure.

25. (withdrawn) A medical method as in claim 23, wherein the step of detecting blood pressure comprises detecting intracardiac blood pressure.

26. (withdrawn) A medical method as in claim 20, wherein the step of detecting at least one other indicia of inadequate tissue perfusion comprises detecting blood flow.

27. (withdrawn) A medical method as in claim 26, wherein the step of detecting blood flow comprises detecting vascular blood flow.

28. (original) A medical method as in claim 20, wherein the step of detecting at least one other indicia of inadequate tissue perfusion comprises detecting blood perfusion in tissue.

29. (original) A medical method as in claim 28, wherein the step of detecting blood perfusion in tissue comprises detecting blood perfusion in tissue in the patient's upper body.

30. (original) A medical method as in claim 28, wherein the step of detecting blood perfusion in tissue comprises detecting blood perfusion in tissue in the patient's chest.

31. (withdrawn) A medical method as in claim 28, wherein the step of detecting blood perfusion in tissue comprises detecting blood perfusion in tissue in the patient's head or neck.

32.-36. (canceled)